

KENWOOD

DPC-692
DPC-792
DPC-993

PORTABLE COMPACT DISC PLAYER INSTRUCTION MANUAL

KENWOOD CORPORATION

Note:

This instruction manual is for common use with the three models above.

Unpacking

Unpack the unit carefully and make sure that all accessories are put aside so they will not be lost.

Examine the unit for any possibility of shipping damage. If your unit is damaged or fails to operate, notify your dealer immediately. If your unit was shipped to you directly, notify the shipping company without delay. Only the consignee (the person or company receiving the unit) can file a claim against the carrier for shipping damage.


We recommend that you retain the original carton and packing materials for use should you transport or ship the unit in the future.

Keep this manual handy for future reference.

Before using the rechargeable batteries

The rechargeable batteries comes non-charged condition. Read "Rechargeable battery operation" carefully and charge the batteries before use.

COMPACT
disc
DIGITAL AUDIO

B60-3946-08 00 (K/P) 

00/12 11 10 9 8 7 6 5 4 3 2 1 98/12 11 10 9 8 7 6 5 4 3

Specifications

Format	
System	Compact disc digital audio system
Laser	Semiconductor laser
Audio	
Frequency response	20 Hz to 20 kHz, ± 3 dB
PHONES output level (16 Ω , 1 kHz)	8 mW + 8 mW
Line output/impedance	0.55 Vrms/1 k Ω
Power supply	
External DC supply	4.5V to 6 V DC
Rechargeable batteries (NB-88) x 2 or 4	DC 2.4 V
Commercially-available alkaline batteries (LR6/AA) x 2 or 4	DC 3 V
Battery life (continuous repeat playback)	
(Figures inside parentheses show the performance when the D.A.S.C. is ST or HI.)	
Commercially-available alkaline batteries (LR6/AA) x 2	Approx. 12 (9.5) Hours
Commercially-available alkaline batteries (LR6/AA) x 4	Approx. 25 (20) Hours
Rechargeable batteries (NB-88) x 2	Approx. 5.5 (4.5) Hours
Batteries (LR6/AA) x 2 and (NB-88) x 2	Approx. 18 (15) Hours
Dimensions (W x H x D) (DPC-692/DPC-792)	132 mm x 32.5 mm x 153 mm (5 - 3/16" x 1 - 1/4" x 6")
Dimensions (W x H x D) (DPC-993)	132 mm x 29.5 mm x 153 mm (5 - 3/16" x 1 - 3/16" x 6")
Weight (net) (DPC-692/DPC-792)	272 g (9.6 oz)
Weight (net) (DPC-993)	260 g (9.2 oz)

Note:
KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

Accessories	DPC-692	DPC-792	DPC-993
AC adaptor	1	1	1
Headphones	1	1	1
Battery (for Noise canceling headphones)	—	—	1
Car battery adaptor	1	1	—
Car cassette adaptor	1	1	—

The standard accessories vary depending on the model of the unit. The accessories which are not standard are optionally available. For details, please consult your dealer.

KENWOOD

For your records

Record the serial number, found on the back panel of the unit, the spaces designated on the warranty card, and in the space provided below. Refer to the model and serial numbers whenever you call upon your dealer for information or service on the product.

Model _____ Serial Number _____

Before applying power

⚠ **Caution:** Read this page carefully to ensure safe operation.

AC adaptors are designed for operation as follows.

U.S.A. and Canada AC 120 V only

For the U.S.A.

FCC WARNING

This equipment may generate or use radio frequency energy. Changes or modification of equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment may cause harmful interference to radio communications, if it is not installed and used in accordance with the instructions. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

For CANADA

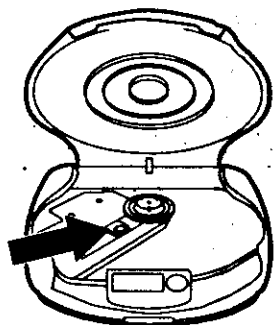
Canadian IC Compliance Notice

NOTICE: This Class B digital apparatus meets all requirements of the Canadian interference-Causing Equipment Regulations.

Simple care

Care of lens

When the lens in the pick-up gets dirty, malfunctions including the impossibility of playback may occur. The lens should be cleaned using a commercially available camera lens blower, etc. Do not touch the lens to prevent damaging the mechanism. Also do not use a lens cleaner or disc cleaner product.



Care of main unit

When the unit gets dirty, clean with a soft, dry cloth. If the unit is stained seriously, a moistened cloth can be used. Do not use benzine or thinner for these will damage the unit.

Cleaning the plug

Wipe the headphone plug with a soft cloth to keep it clean. A dirty plug may cause noise or malfunction.

Caution on disc used

Usable discs

This unit is capable of playing discs marked with **UD56**. Other discs cannot be played. 8 cm single CDs can be played as they are; do not use a commercially-available single CD adapter.

Handling

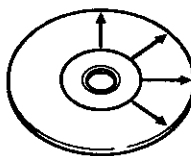
Hold compact discs so that you do not touch the playing surface. Do not attach paper or tape to either the playing side or the label side of compact discs.

Never play a cracked or warped disc.

During playback, the disc rotates at high speed in the player. Therefore, to avoid danger, never use a cracked or deformed disc or a disc repaired with tape or adhesive agent.

Cleaning

If fingerprints or foreign matter become attached to the disc, lightly wipe the disc with a soft cotton cloth (or similar) from the center of the disc outwards in a radial manner.



Storage

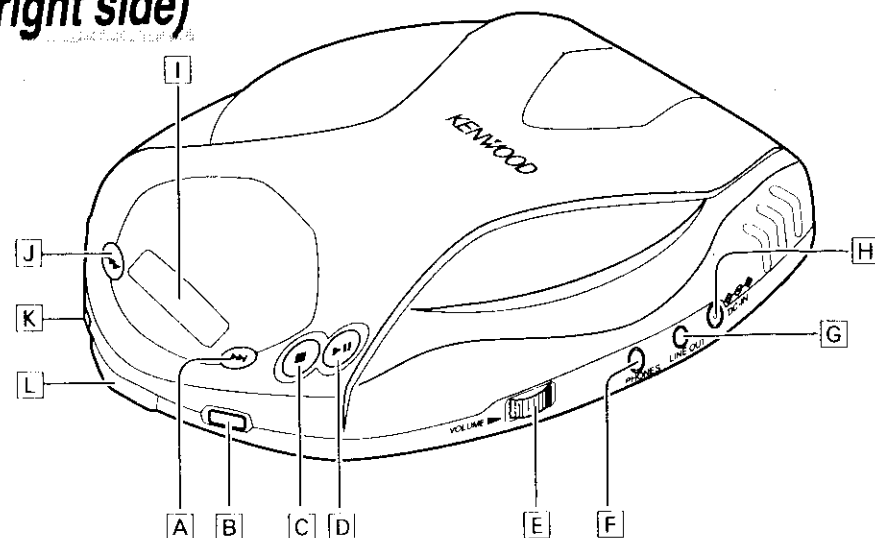
When a disc is not to be played for a long period of time, remove it from the CD player and store it in its case.

Precaution against condensation

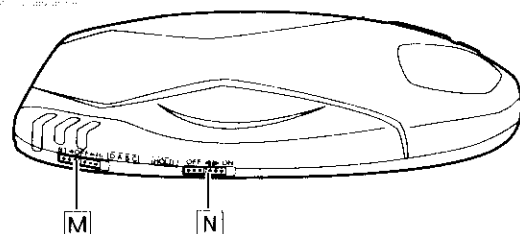
Immediately after a room is heated or in a room with high humidity (or vapor), the unit may malfunction due to the condensation of dew or mist on the pick-up lens. In such a case, leave the unit for about an hour before trying to use it again.

Part names

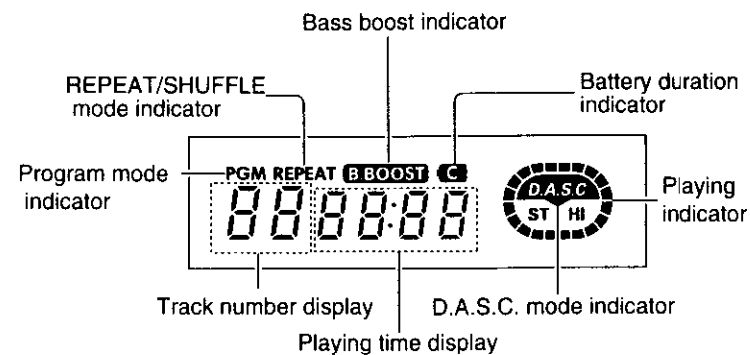
Unit (top/right side)



Unit (left side)



Display (main unit)



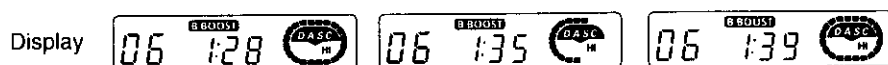
- | | |
|---|---|
| [A] ►► (Skip up/Fast forward) key | [I] Display |
| [B] REPEAT (Repeat play/Shuffle play) key | [J] ◄◄ (Skip down/Fast reverse) key |
| [C] ■ (Stop/off) key | [K] P.MODE/B.BOOST
(Program mode/Bass boost) key |
| [D] ►► (Play/pause) key | [L] OPEN knob (Slide to open top cover.) |
| [E] VOLUME control knob | [M] D.A.S.C. ST/OFF/HI switch |
| [F] PHONES (Headphone) jack | [N] HOLD switch |
| [G] LINE OUT jack | |
| [H] DC IN (External power) jack | |

Sound skip guard function (D.A.S.C.)

D.A.S.C. (Digital Anti Shock Circuit)

When the D.A.S.C. function is operating, about a 20 or 40-second portion of signals is always stored in memory. Consequently, when the unit receives an impact, playback will continue without interruption even if the signal from the light pickup is interrupted.

Mechanism of D.A.S.C.



Storage of digital data
Digital memory
Reproduced sound



Depending on the extent of the impact, the data in the memory may be used up, so the playback skip protection may momentarily be ineffective.

Setting the D.A.S.C.



ST position: Data are held for about 10 sec.

Playback with high sound quality is possible.

HI position: Data are held for about 20 or 40 sec.



- The reproduced sound is interrupted during switching.
- When the player is used in a place free of vibration, it is recommended to release the D.A.S.C. to extend the play time by reducing the battery power.

In case of difficulty

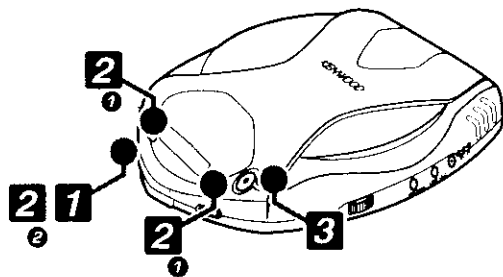
What seems to be a serious trouble may sometimes be due to a simple mistake. Before calling for service, check the items shown in the following table again. (If you request servicing due to the reasons shown in the table, the service may be charged in some cases.)

Symptom	Cause	Remedy
No operation occurs when operation keys are pressed.	<ul style="list-style-type: none"> • The HOLD switch of the main unit is set to ON. • The batteries are exhausted. • The disc is placed upside down. • Condensation has occurred inside the unit. • The AC adapter or car battery adapter is disconnected. 	<ul style="list-style-type: none"> • Set the switch to OFF. • Replace the two alkaline batteries, or recharge the rechargeable batteries. • Place the disc with the labeled side up. • Leave the unit for about 1 hour before re-use. • Connect it properly.
No sound is heard from the headphones.	<ul style="list-style-type: none"> • The headphones are connected incompletely. • The volume is set to the minimum position on the unit. 	<ul style="list-style-type: none"> • Insert the plug securely into the PHONES jack. • Adjust the volume on the unit.
Sound skips, or is interrupted.	<ul style="list-style-type: none"> • The D.A.S.C. is set to "OFF". • A strong vibration that exceeds the capacity of the D.A.S.C. has occurred. • The disc is dirty. • The lens is dirty. • The headphone plug is dirty. • The batteries are low. 	<ul style="list-style-type: none"> • Set the D.A.S.C. to ST or HI. • Place the unit in a place not subject to vibration. • Clean it. • Clean it. • Clean it. • Replace or recharge the batteries.
Noise interferes.	<ul style="list-style-type: none"> • The headphone plug is dirty. • The batteries are low. • The headphones are connected incompletely. 	<ul style="list-style-type: none"> • Clean it. • Replace or recharge the batteries. • Insert the plug securely into the PHONES jack.
Rechargeable batteries cannot be recharged.	<ul style="list-style-type: none"> • Commercially available rechargeable batteries are used. 	<ul style="list-style-type: none"> • Use the exclusive rechargeable batteries (NB-88 or NB-77).

Note : This system uses a microcomputer so it may malfunction due to external noise or interference. In such a case, unplug the power cord and remove the batteries, then re-connect the power cord and insert the batteries again.

Programming tracks in desired order

Favorite tracks (max. 24 tracks) can be programmed.



1 Press the P.MODE key for at least 1 second during Stop status.

P.MODE/B.B.



- Stop status is engaged when the key is pressed while playback is in progress.

Blinks



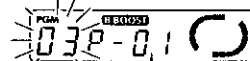
2 Select the desired track numbers in the order you want to play them.

1 Select a track...



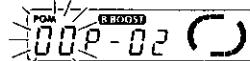
2 and enter it.

Blinks



Programmed order

P.MODE/B.B.



The following program sequence will be displayed.

Repeat steps 1 and 2 and enter the Track Nos. into the program in order.

- When 24 tracks have been programmed, "FULL" will be displayed.

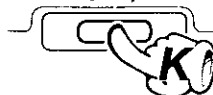
3 Start playback.



To change the programmed contents

1 Press the P.MODE key for at least 1 second during Stop status.

P.MODE/B.B.



- Stop status is engaged when the key is pressed while playback is in progress.

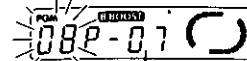
2 Call the programmed order to be changed.

- Press the P.MODE key repeatedly until the programmed order you want to change is displayed.

P.MODE/B.B.



Blinks



Track number Programmed order

3 Enter the Track No. you want to change.

1 Select a track...



2 and enter it.

P.MODE/B.B.



When the programmed contents are to be changed further, repeat steps 2 and 3.

To check the programmed contents

1 Press the P.MODE key for at least 1 second during Stop status.

P.MODE/B.B.

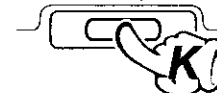


- Stop status is engaged when the key is pressed while playback is in progress.

2 Press the P.MODE key.

- The programmed track numbers will be displayed in sequence each time the key is pressed.

P.MODE/B.B.



Blinks



Track number Programmed order

To clear the programmed contents

1 Ensure that the player is in stop mode.

2 Press the key.



Program mode can be canceled even if the top cover open.

Connections

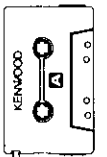
Ensure that the power of all components is off before connecting the cords.

Listening through car audio

- If sound is not produced, change the tape playing direction of the car stereo.
(Sound is not produced if the car stereo is set to play tape side B)
- Audio reproduction may be impossible with the following type of car stereo.
One-way models which have the play head on the left side.
Models which function by detecting the tape tension.
(With these car stereo models, the car cassette adaptor is ejected automatically when it is inserted.)

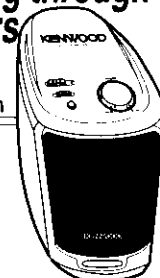
Insert into cassette deck slot.

Car cassette adaptor CAC-3
Refer to the "Accessories" table.

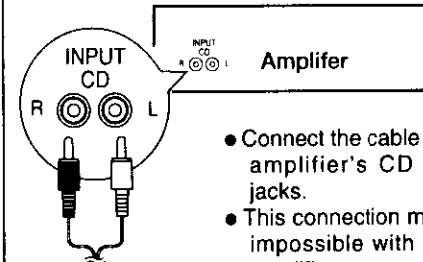


Listening through speakers

Speakers with built-in amplifier

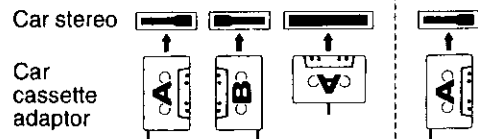


Listening through an amplifier with CD input jack

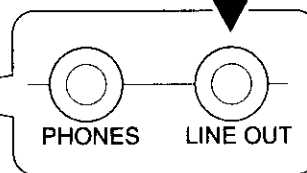
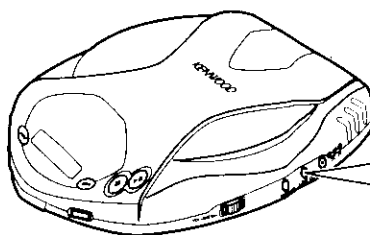


- Connect the cable to the amplifier's CD input jacks.
- This connection may be impossible with some amplifiers.

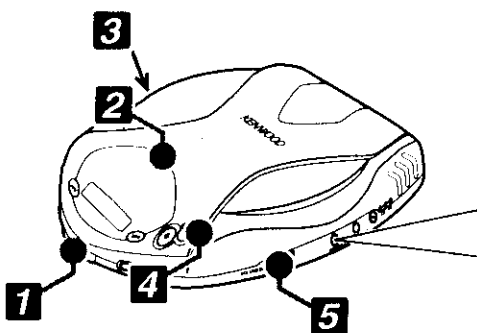
Car cassette adaptor insertion methods



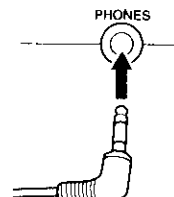
- Insert the car cassette adaptor by setting the played edge and cord position as shown in the illustration.
- "B" indicates the reverse side of the car cassette adaptor.
- For details, please read the instructions for the car cassette adaptor.



Playback from the first track



Connect headphones.

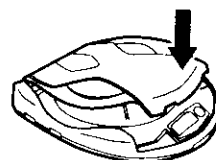
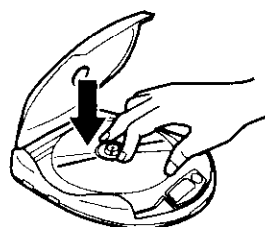


1 Open the top cover.



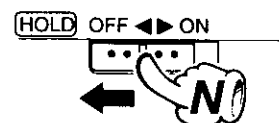
- Move the OPEN knob in the direction of the arrow.

2 Insert disc and close the top cover.



- Insert with labeled side up.
- Secure the disc by pushing a position near the center hole until it clicks.
- Close securely by pushing the front center position of the top cover until it clicks.

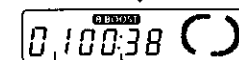
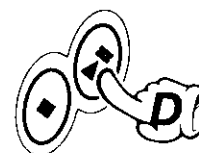
3 Set the HOLD switch to OFF.



- Before any operation, be sure to set the HOLD switch to OFF.

4 Start playback.

- The power comes ON and playback begins.

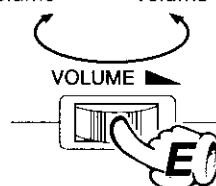


Track number

Elapsed time of track being played

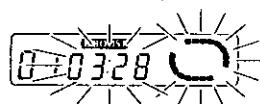
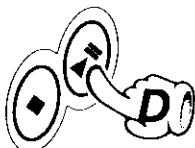
5 Adjust the volume

To increase volume To decrease volume



To pause playback temporarily

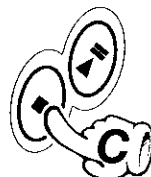
- When the pause key (two vertical bars) is pressed during playback, it pauses temporarily. Pressing the key again resumes playback.



Blinks

To stop playback

- The total number of tracks and the total playing time of them will be displayed.



Total number of tracks

Total playing time

To turn power OFF



- After stopping playback, press the stop key again.

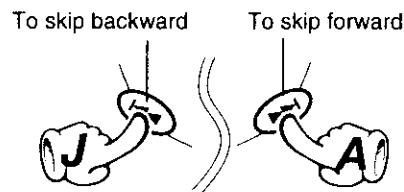
Auto power-OFF function

If no operation key has been pressed for 2 minutes while the device is in the stop mode, the power is turned OFF automatically to prevent battery power consumption.

Playback from desired track

Skipping tracks

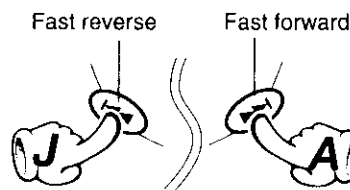
press **⏮** key or **⏭** key.



- When the **⏭** key is pressed, playback will skip to the start of the subsequent track.
- Each time the key is pressed, playback will skip to the next track.
- When the **⏮** key is pressed, playback will skip to the start of the track being played back.
- Each time the key is pressed, playback will skip to the previous track.

Fast forward, fast reverse

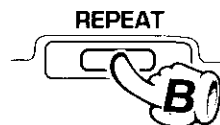
Hold the key pressed during playback.



- Fast forward is engaged by pressing and holding down key **⏭** while playback is in progress.
- Fast reverse is engaged by pressing and holding down key **⏮** while playback is in progress.
- Playback will resume when either key is released.

Repeat playback/Shuffle playback

It is possible to listen to one track or all tracks of a CD repeatedly or to listen to the tracks in random sequence. (SHUFFLE play)



- Each press of the key switches the mode as follows:

① One-track repeat

The track being played or the selected track will be played repeatedly.



② All-track repeat

All tracks on the disc will be played repeatedly.



③ Shuffle play

All tracks on the disc will be played in a random order.



④ Repeat OFF

Return to normal playback is made.



After display for about 2 sec, return is made to the original display.

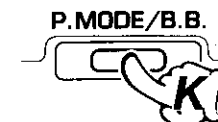


- If a key is pressed just before the end of a track and the track does not change, press the **REPEAT** key again when the track being played back is over.
- If Shuffle Play is selected while playback is in progress, Shuffle Play operation will commence when the track being played back is over.
- Up to 99 tracks can be played back in Shuffle Play operation.
- If Shuffle Play is selected when operation is in Stop status, Shuffle play operation will commence immediately.

Changing the tone

Compensation of low frequencies

The low frequencies sound, which is felt in headphone, can be boosted.



- Each press of the key switches the mode as follows:

① Bass Boost ON

Low frequencies are boosted.

② Bass Boost OFF

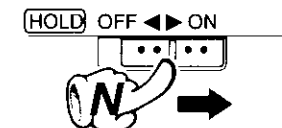
Normal tone reproduction.

The BASS BOOST is not applied to the output from the LI OUT jack.

Hold facility

The operation keys of the main unit are deactivated. This position prevents undesired operation when the unit is put in a bag, etc.

When the HOLD switch on the unit is switched ON, the unit's keys are protected.



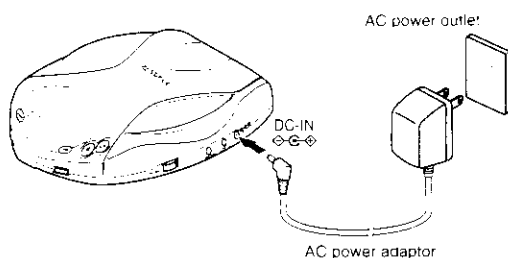
Be sure to OFF the switch before performing any operations. Operations cannot be performed if it is in the ON position.

Power sources

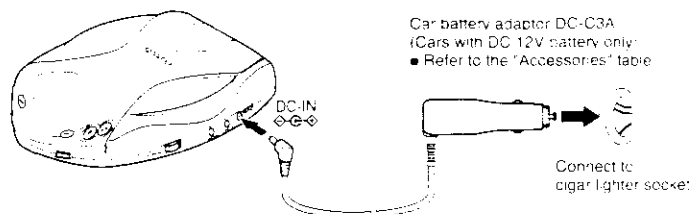
⚠ Caution: Read this page carefully to ensure safe operation.

This unit can be powered with three kinds of supplies including the batteries, household power line and car battery.

Using the AC adaptor



Using the car battery adaptor



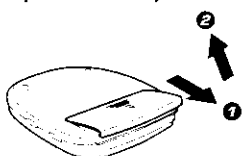
- When the unit is not used, unplug the car battery adaptor. (Otherwise, the car battery may run out, with some car models.)
- The plug may not match the cigarette socket of some car models.
- If the unit cannot be operated with the car battery adaptor connected, suspect the possibility of a blown fuse. The fuse can be replaced by turning the electrode on the tip of the adaptor plug. When replacing the fuse, be sure to use a fuse with a rating of 1 A.

Rechargeable battery operation

Always use the separately sold rechargeable batteries NB-130, NB-88 or NB-77. Never use the batteries other than the batteries authorized by Kenwood.

Loading the batteries

- 1 Open the battery cover.



- 2 Insert 2 rechargeable batteries and close the cover.

Charging is possible only on the side marked MAIN/CHARGE.

- Insert 2 rechargeable batteries into the side of the battery case where "MAIN/CHARGE" is displayed.
- Make sure the positive (+) and negative (-) poles are properly aligned.

Charging the rechargeable batteries

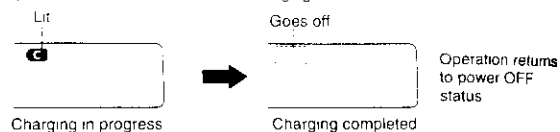
- 1 Switch the power OFF.
- 2 Plug in the AC adaptor.
- 3 Press the **■** key twice quickly.

- 4 Removing the AC adaptor.

After the batteries have been charged, remove the AC adaptor.



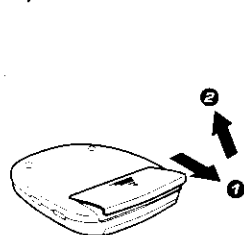
- When using a rechargeable battery which is new or which has not been used for more than 2 months, the operating period may be shorter than normal. This is due to the properties of the battery and not a malfunction. After recharging, use the battery on the unit until it is exhausted. The original performance of the battery performance can be recovered by repeating this cycle a few times.
- Recharging is not possible during playback. Be sure to switch the power OFF before starting recharging.
- Be sure to close the top cover of the unit before proceeding to recharging.
- Recharging completes in about 6 hours. Avoid recharging batteries over 6 hours.



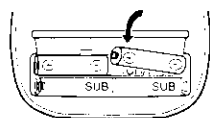
- Rechargeable batteries can be recharged for about 500 times. When the playable time per recharge reduces, please newly purchase the optional (NB-130, NB-88 or NB-77) rechargeable batteries.
- When charging is to be stopped, press the **▶||** key once to supply power, and then press the **■** key to switch off the power.

When operating the unit with 2 alkaline batteries

- 1 Open the batteries cover.



- 2 Insert 2 alkaline batteries and close the cover.



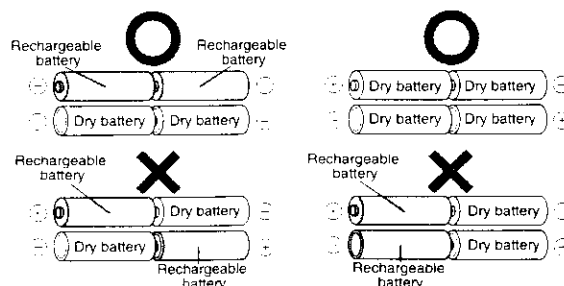
- Insert 2 AA alkaline batteries into the side of the battery case where "MAIN/CHARGE" is displayed.
- Make sure the positive (+) and negative (-) poles are properly aligned.
- Use commercially available AA (LR6) batteries. The unit may not operate normally if manganese batteries are used.
- Replace both batteries at the same time.

⚠ Always pay attention to the following contents when the unit is to be used with four batteries.

When operating the unit with 4 batteries

This unit can be operated with 4 alkaline batteries, or with 2 rechargeable batteries and 2 alkaline batteries. When 4 batteries are used, the unit will operate for a longer time.

- When 4 batteries are used, make sure they are arranged so that batteries of the same type are in line horizontally (see illustration).
- Do not combine batteries that have different model numbers (NB-88, NB-77, etc.).
- Exchange the same type of batteries at the same time.



Battery duration indicator

The duration at which the battery indicator starts to blink is variable depending on the type of battery used. Refer to the table on the right.

Battery indicator



Battery Type	Blinking Timing	Treatment
Rechargeable batteries	When the batteries is nearly exhausted.	In a while, the power will be turned off automatically. Then recharge the batteries.
Alkaline batteries	When the batteries are half exhausted	Playback is possible while the indicator is blinking.